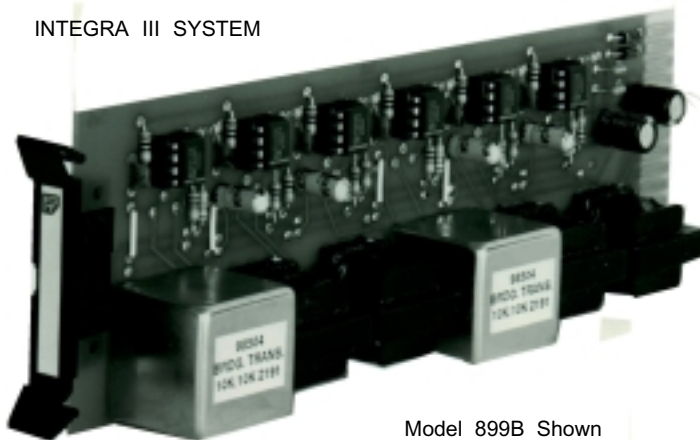


DUAL DISTRIBUTION AMPLIFIER

- Two Separate 1 Input, Two Output Circuits
- Transformer Isolated Inputs and Outputs
- Individual Level Adjustment of Each Input and Output
- Compact Size

INTEGRA III SYSTEM



Model 899B Shown

www.protechaudio.com

The INTEGRA III SYSTEM dual audio distribution amplifier manufactured by Protech Audio is designed for use in professional applications. Typical applications would be Lecture Halls, Presentation Rooms, Conference Centers, Background Music Systems, and Library Listening Systems.

The Model 899B is designed to accept two separate audio signals, and provide two outputs for each input signal. The unit is ideally suited for stereo system applications.

There are two separate circuits built onto the pc assembly. Each circuit contains one bridging, transformer-isolated input, and two 600 ohm transformer isolated outputs. The inputs, and each output contain separate amplifier circuits. The gain of each input and each output amplifier, is individually adjustable, via trimpots mounted on the backplane assembly. Mounting the trimpots on the backplane assembly helps to prevent unauthorized level adjustments, and allows the gain settings to remain fixed, should a spare unit be placed into service.

Since the dual distribution amplifier is used to connect multiple pieces of audio equipment, the units are a critical part of the audio system. The combination of transformer and operational amplifier on every input and output creates maximum isolation between potential ground problems. The audio transformers also protect the input and outputs from spurious DC voltages which may be caused by corresponding equipment. As one of the INTEGRA III SYSTEM cards, the Model 899B may be mounted in any of the system enclosures manufactured by Protech Audio. The Model 858B Card Frame Package allows mounting of up to 9 cards in just 3.5" of vertical rack space. The Model 857B Card Frame Package allows mounting of 10 cards in the same rack space, and requires an external power supply (Model 66708). The Dual Distribution Amplifiers may be mixed and matched with other INTEGRA III SYSTEM cards within the same card frame.

For additional information or applications assistance contact:

SALES ENGINEERING

DUAL DISTRIBUTION AMPLIFIERS

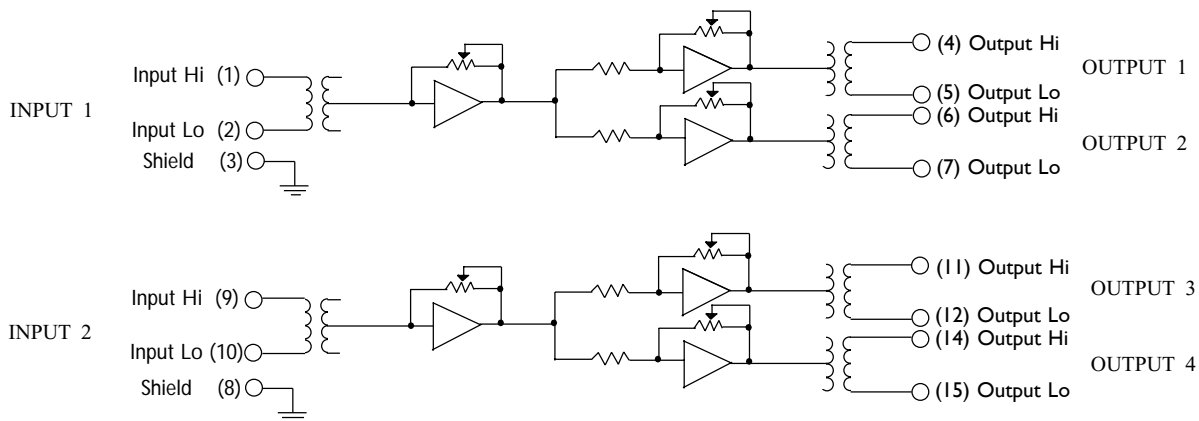
PROTECH[®]

Engineering Data

4/02

DUAL DISTRIBUTION AMPLIFIERS

Block Diagram



PIN NUMBER FOR 857B & 858B BACKPLANES ONLY

Specifications

GAIN.....	Input = -10dB, To +5dB, Adjustable Output = -5dB To +22dB, Adjustable
MAXIMUM INPUT.....	+20dB
MAXIMUM OUTPUT.....	+20dB
FREQUENCY RESPONSE.....	30Hz To 20KHz, +0, -1dB
DISTORTION.....	0.1% Maximum @ +14dBm
NOISE.....	-85dB Below +4dBm Out
POWER REQUIREMENTS.....	±15-18VDC @ 50ma
SIZE.....	2.5"H x 8.0"D x 1.1"W
OPERATING TEMPERATURE.....	0 To 70 Degrees C

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Architect's & Engineer's Specifications

The Dual Distribution Amplifier shall be constructed as a plug-in printed circuit board module. It shall be designed to allow up to 10 modules to fit in a rack mount card frame, requiring no more than 3.5" of vertical rack space.

The dual distribution amplifier shall be unpluggable from the front of the card frame, without the need to disconnect wires attached to the rear connector.

The dual distribution amplifier shall contain two separate one-input two-output circuits. Each of the inputs shall be balanced bridging in configuration, and shall be transformer isolated. All four outputs shall be transformer isolated, and capable of driving a 600 ohm line to +20dBm.

Both inputs, and all four outputs shall have individual amplifier circuits. The gain of these amplifiers shall be adjustable via 6 trim pots mounted on the backplane assembly. Adjusting the gain of any output shall not effect the output level of any other output. All amplifier integrated circuits shall be mounted on plug-in sockets.

The Dual Distribution Amplifier shall have on-board auto-resetting electronic fusing, to disconnect the unit from the power supply rails, in the event of a component failure.

The Dual Distribution Amplifier shall be:

PROTECH AUDIO Corporation Model 899B.

Accessories

CARD FRAME PACKAGE.....MODEL 858B
Includes Card Frame, Backplane, and Power Supply Card. Allows mounting of up to 9 audio cards.

CARD FRAME PACKAGE.....MODEL 857B
Includes Card Frame, and Backplane Assembly. For use with external power supply Model 66708. Allows mounting of up to 10 audio modules.

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Web - www.protechaudio.com

AUTHORIZED DEALER